

What is claimed is:

1. A wireless LAN utilizability detecting system comprising a housing detachably mounted on a data terminal device, a wave intensity detecting means disposed at least partly inside the housing and serving to obtain a detection output corresponding to wave in a predetermined wireless LAN band, and a detection output means disposed in the housing and serving to generate an output representing a content as to whether the wireless LAN is utilizable based on the output of the wave intensity detecting means.

2. The wireless LAN utilizability detecting system according to claim 1, wherein the housing constitutes an adapter for mounting a wireless LAN card on the pertinent data terminal device.

3. The wireless LAN utilizability detecting system according to claim 1, wherein the housing constitutes a housing of a wireless LAN card.

4. The wireless LAN utilizability detecting system according to claim 1, wherein the wave intensity detecting means operates without being supplied by power from a separate power supply but by power obtained by receiving wave in a predetermined wireless LAN band.

5. The wireless LAN utilizability detecting system according to claim 1, wherein the wave intensity detecting

means includes a comparing means for comparing the intensity of detected wave in the predetermined wireless LAN band and generating an output corresponding to the comparison result as output of the wave intensity detecting means.

6. The wireless LAN utilizability detecting means according to claim 1, wherein the detection output means is arranged to output a signal for starting the data terminal device based on the output of the wave intensity detection means.

7. The wireless LAN utilizability detecting system, according to claim 1, wherein the detection output means is arranged to drive a display means provided on the housing according to the output of the wave intensity detecting means.

8. The wireless LAN utilizability detecting system according to claim 7, wherein an LED is used as the display means.

9. The wireless LAN utilizability detecting system according to claim 2, in which the housing includes a wireless LAN card side connector, a data terminal device side connector and an inter-connector bus inter-connecting the two connectors, and which further comprises an active checking means for checking whether the inter-connector bus is active and, when the inter-connector is found to

be active, rendering the wave intensity detecting means or the detection output means inoperative.

10. A wireless LAN utilizability detecting method, in which a wireless LAN utilizability detecting system comprising a housing detachably mounted on a data terminal device, a wave intensity detecting means disposed at least partly on the housing and serving to obtain a detection output corresponding to the intensity of wave in a predetermined wireless LAN band, and a detection output means for generating, based on the output of the wave intensity detecting means, an output representing a content as to whether the wireless LAN is utilizable, is mounted in the pertinent data terminal device, when it receives an output from the detection output means of the wireless LAN utilizability detecting system, it checks whether the value of the received output and a predetermined value are identical, when the identity is recognized, it causes an automatic start operation, when the identity is not recognized, it holds a waiting state, when the automatic start operation is made, it checks whether the pertinent wireless LAN can perform authentication, when it is decided that authentication can be performed, it does an informing operation to inform to the user that the user can perform actual communication, and when it is not decided that authentication can be done, it turns off the power supply.

11. The wireless LAN utilizability detecting method

according to claim 10, wherein the informing operation is performed by generation of voice, image display or generation of vibrations.

12. The wireless LANutilizabilitydetectingmethod according to claim 10, wherein the informing operation performed by generating a call to a portable telephone set or a PHS by a short message service.

13. The wireless LANutilizabilitydetectingmethod according to claim 10, in which transmission and reception of electronic mails are made as well based on the informing operation.

14. The wireless LANutilizabilitydetectingmethod according to claim 10, in which data from a particular web page is automatically collected as well based on the informing operation.